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- Colours are subjective! Their perception depends on the neural apparatus which is used to see them
- Photoreceptors are photon counters. They don't see colour. You have to compare the output from at least two types to see colour (colour opponent mechanisms).
- The dimensionality of an animal's chromaticity space has one less dimension than the number of its cone photoreceptors (e.g. one-dimensional for a dichromat). Its dimensionality determines how many primary colours (such as RGB computer colours) are needed to match any colour the animal can perceive)